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1997 Montana Wheat & Barley Varieties

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Table of Contents

Foreword 1

Winter Wheat Varieties 2
Seeded Acreage & Percent of Total by Districts - 1997
Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97 3

Major Varieties as Percent of Total- Area Chart
1997 Top Varieties - Pie Chart 4

Top Three Varieties - Percent by District
Montana's Rank Among the Larger Wheat Producing States 5

Spring Wheat Varieties 6
Seeded Acreage & Percent of Total by Districts - 1997
Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97 7

Major Varieties as Percent of Total- Area Chart
1997 Top Varieties - Pie Chart 8

Top Three Varieties - Percent by District
Montana's Rank Among the Larger Wheat Producing States 9

Durum Wheat Varieties 10
Seeded Acreage & Percent of Total by Districts - 1997
Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97
Montana's Rank Among the Larger Wheat Producing States 11

Major Varieties as Percent of Total- Area Chart
1997 Top Varieties - Pie Chart 12

Barley Varieties 13
Seeded Acreage & Percent of Total by Districts - 1997
Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97 14

Major Varieties as Percent of Total- Area Chart
1997 Top Varieties - Pie Chart 15

Top Three Varieties - Percent by District
Montana's Rank Among the Larger Barley Producing States 16

Forward

This publication is the result of a June survey of Montana grain growers. It contains names, characteristics and production records of the leading varieties in Montana in 1997. We wish to thank the many farmers who voluntarily provided us with variety information.

Funding for the barley varieties survey was provided by the Montana Wheat & Barley Committee and the American Malting Barley Association, Inc. The wheat variety survey was funded by the Montana Wheat & Barley Committee. Montana State University provided varietal characteristic information.

Plant researchers continually develop new grain varieties with promise of higher yields, improved baking and milling qualities and increased insect and disease resistance. Montana farmers test these new varieties in their fields with hopes of increasing their overall farm profits. Shifts occur in the acres of varieties planted as farmers discover what works or doesn't work for them

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July 1997

Winter Wheat

Neeley continued to be the leading variety of winter wheat seeded in Montana for the tenth consecutive year with over 375 thousand acres planted in the state. It is a hard red, semi-dwarf winter wheat that generally has 1 to 3 percent lower protein than most recommended hard red winter wheats. Neeley has satisfactory milling and baking qualities.

Rocky moved up to second place this year from its third place position a year ago to become the second most popular winter wheat in the state. Montana farmers planted over 300 thousand acres of Rocky. It is a hard red winter wheat that has superior yields under most conditions. Rocky has average milling and baking qualities.

Tiber traded places with Rocky to fall to third place this year. It accounted for slightly more than 13 percent of the winter wheat planted in the state, down more than 130 thousand acres from last year. A hard red winter wheat, Tiber has high yield potential, good shatter resistance, and good winter hardiness. Tiber has average milling and baking qualities and is resistant to leaf spot complex.

Redwin maintained its fourth place position for the fourth consecutive year, accounting for nearly 10 percent of the winter wheat acreage in Montana. It has excellent protein levels, good yield potential and winter hardiness. Redwin is also shatter and lodging resistant and has very good milling and baking qualities.

These top four varieties accounted for 66 percent of the winter wheat acreage seeded in 1997, very comparable to the 67 percent for the same varieties in 1996.

Winter Wheat

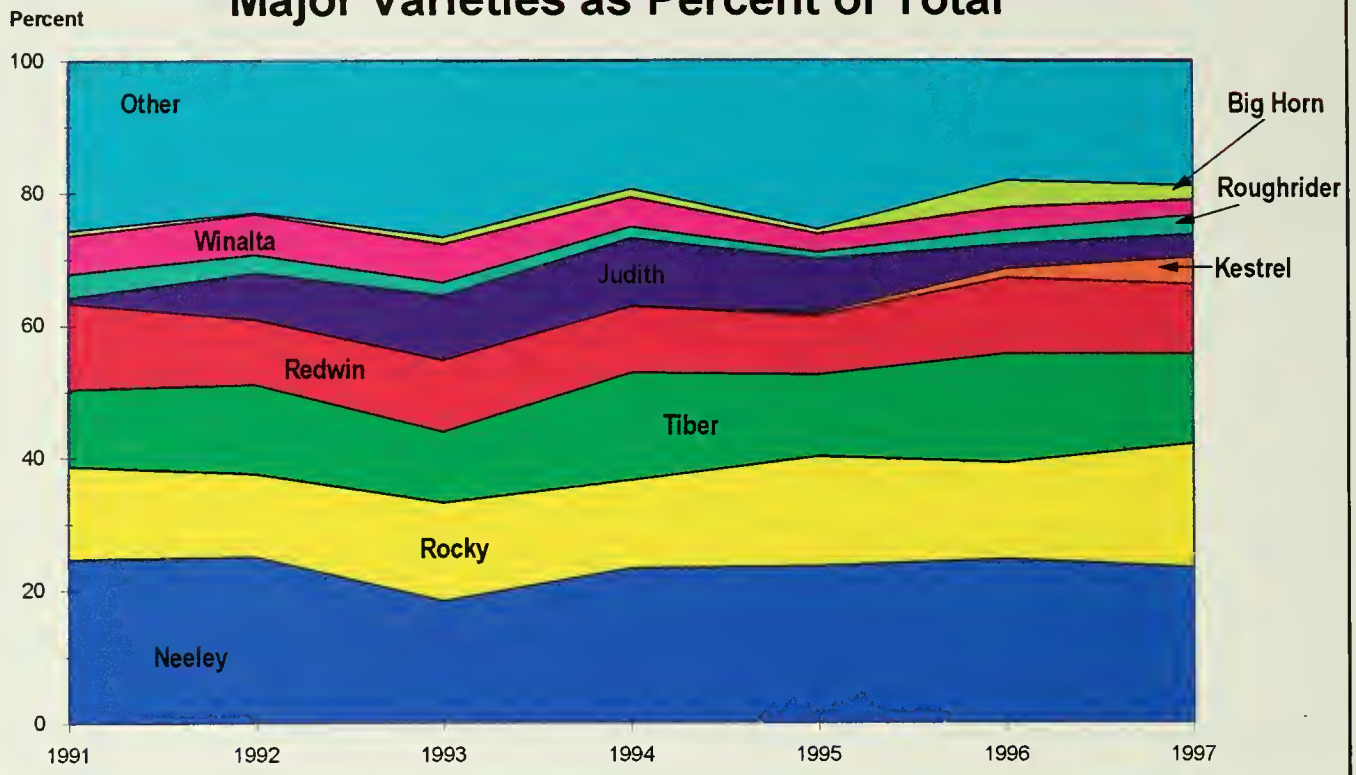
Seeded Acreage and Percent of Total Seeded by Districts - 1997																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0 1	0 9	91 6	12 2	21.8	15 6	198 6	60.2	18 9	63 0	44 8	21 3	--	--	375 8	23.4
Rocky	--	--	245.9	33 0	11.2	8 0	29 3	9.0	1 6	5 6	11 8	5.6	0 8	0 6	300 6	18 7
Tiber	--	--	109 2	14 6	21 8	15.6	29.2	8.9	--	--	28 7	13 7	28 1	22 2	217 0	13 6
Redwin	--	--	30 0	4 0	2 5	1.8	4 4	1.3	2 5	8 2	82 0	39 0	46 7	37 1	168 1	10 5
Kestrel	--	--	38 9	5 2	4 4	3 1	13 6	4 1	--	--	0 2	0.1	7 9	6.3	65 0	4 1
Judith	0 1	0.9	48 6	6 5	--	--	3 1	0 9	--	--	2 1	1 0	--	. --	53 9	3 4
Roughrider	--	--	--	--	36.1	25 8	--	--	--	--	--	--	10 1	8 0	46 2	2 9
Winalta	0 2	1 5	4 1	0 6	21 6	15.4	2 8	0 8	--	--	--	--	7 8	6 2	36 5	2 3
Big Horn	--	--	19 5	2 6	1 5	1 0	14.9	4 5	--	--	--	--	--	--	35 9	2 2
Norstar	--	--	20 5	2 7	2 5	1 8	5 8	1 8	--	--	--	--	0 3	0 3	29 1	1 8
Hawk	--	--	20 1	2 7	--	--	0 3	0 1	--	--	5 4	2 6	--	--	25 8	1 6
Centurk	--	--	23 8	3 2	--	--	--	--	0 5	1 5	--	--	--	--	24 3	1 5
Quantum 542	--	--	12.2	1.6	--	--	4 4	1.3	0 1	0 2	1 7	0 8	0 1	0 1	18 5	1 2
Vanguard	--	--	8 6	1.1	--	--	0.2	--	--	--	3 3	1 6	--	--	12 1	0 8
Sierra	2 4	15 3	0 9	0 1	--	--	0 1	--	--	--	7 3	3 5	--	--	10 7	0 7
Rose	--	--	--	--	1 4	1.0	--	--	--	--	--	--	8 2	6 5	9 6	0 6
Warrior	--	--	--	--	--	--	--	--	--	--	8 2	3 9	0 3	0 2	8 5	0 5
Arapahoe	--	--	--	--	0.3	0 2	--	--	--	--	--	--	7 5	5 9	7 8	0 5
Stephens 1/	5 9	36.3	--	--	--	--	0.3	0 1	1.1	3 8	--	--	--	--	7 3	0 5
Weston	--	--	--	--	--	--	--	--	--	--	7 0	3.3	--	--	7 0	0.4
Agassiz	--	--	--	--	4 0	2.9	--	--	--	--	--	--	--	--	4 0	0 3
Yuma	0 6	3.5	0 5	0 1	--	--	2.4	0 7	--	--	--	--	--	--	3 5	0 2
Cheyenne	--	--	--	--	2.1	1 5	0 5	0.2	--	--	--	--	0 3	0 3	2 9	0 2
Cashup 1/	--	--	--	--	--	--	--	--	--	--	--	--	2 0	1 6	2 0	0.1
Other and Unknown	6.7	41.6	73 6	9.8	8 8	6.3	20.1	6 1	5 3	17.7	7 5	3.6	5 9	4 7	127 9	8 0
State	16 0	100.0	748 0	100.0	140 0	100 0	330.0	100.0	30.0	100 0	210 0	100 0	126 0	100 0	1600 0	100.0

Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 2/	1997	1996 2/	1997
Neeley	24.7	25.0	18.4	23.3	23.6	24.6	23.4	528.8	375.8
Rocky	14.0	12.5	14.8	13.3	16.5	14.6	18.7	314.6	300.6
Tiber	11.7	13.5	10.7	16.2	12.4	16.5	13.6	353.9	217.0
Redwin	13.0	9.9	10.8	10.0	8.9	11.4	10.5	245.1	168.1
Kestrel	--	--	--	0.1	0.4	1.4	4.1	31.1	65.0
Judith	0.8	7.0	9.8	10.2	8.2	3.7	3.4	78.6	53.9
Roughrider	3.6	2.8	2.0	1.8	1.0	2.1	2.9	44.4	46.2
Winalta	5.8	6.1	5.8	4.4	2.8	3.5	2.3	75.0	36.5
Big Horn	0.8	0.3	1.0	1.3	0.7	4.0	2.2	85.7	35.9
Norstar	6.6	7.6	6.4	2.0	4.0	1.8	1.8	37.8	29.1
Hawk	0.9	1.0	1.0	0.9	2.4	0.9	1.6	18.5	25.8
Centurk	2.4	3.3	2.4	2.6	3.1	3.1	1.5	65.6	24.3
Quantum 542	--	--	0.3	1.1	1.8	0.6	1.2	12.3	18.5
Vangard	--	--	--	--	--	--	0.8	--	12.1
Sierra	--	--	0.1	0.2	0.1	0.6	0.7	12.9	10.7
Rose	0.1	0.1	0.1	0.8	--	0.3	0.6	5.6	9.6
Warrior	0.4	0.7	1.1	1.7	0.7	0.4	0.5	9.0	8.5
Arapahoe	--	--	--	--	0.2	0.3	0.5	5.9	7.8
Stephens 1/	0.2	0.2	0.6	0.2	0.9	0.6	0.5	11.9	7.3
Weston	1.8	0.6	0.2	1.1	0.6	0.6	0.4	13.4	7.0
Agassiz	0.7	0.1	0.8	0.4	0.2	0.3	0.3	5.6	4.0
Yuma	--	--	--	--	--	--	0.2	--	3.5
Cheyenne	1.2	0.8	1.0	0.6	0.8	0.1	0.2	1.4	2.9
Cashup 1/	--	--	--	--	--	--	0.1	--	2.0
Other & Unknown	11.3	8.5	12.7	7.8	10.7	8.6	8.0	192.9	127.9
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2,150.0	1,600.0

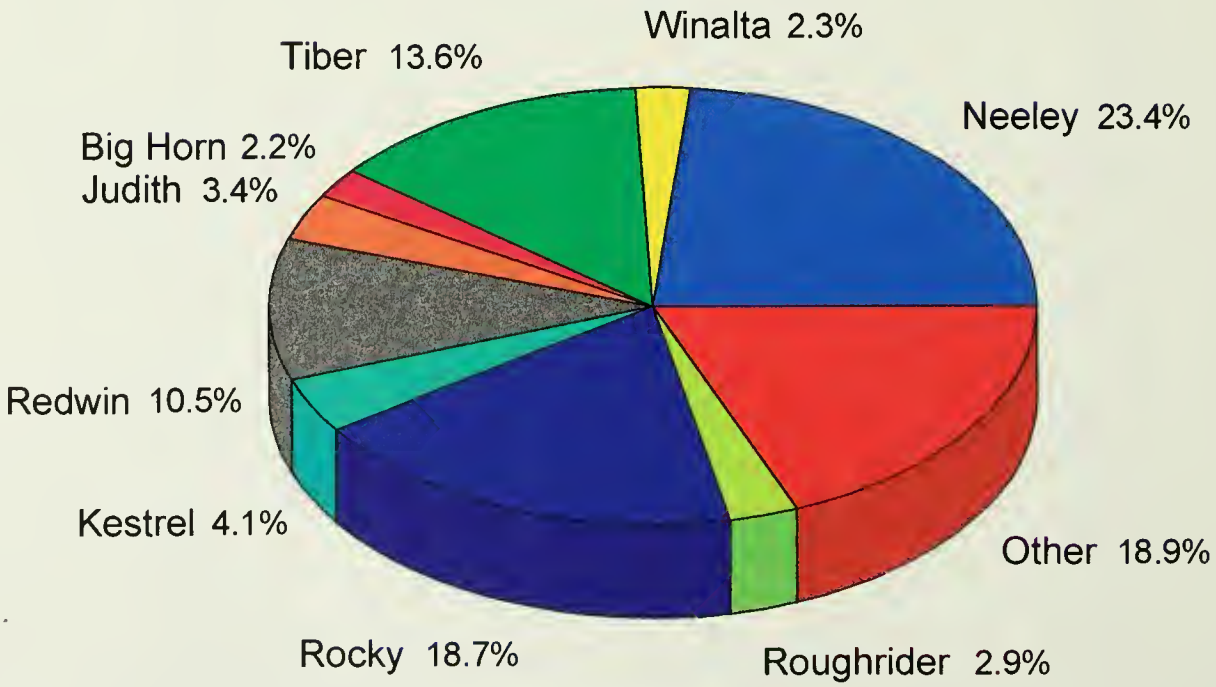
1/ Soft White Wheat 2/ Revised

Winter Wheat

Major Varieties as Percent of Total



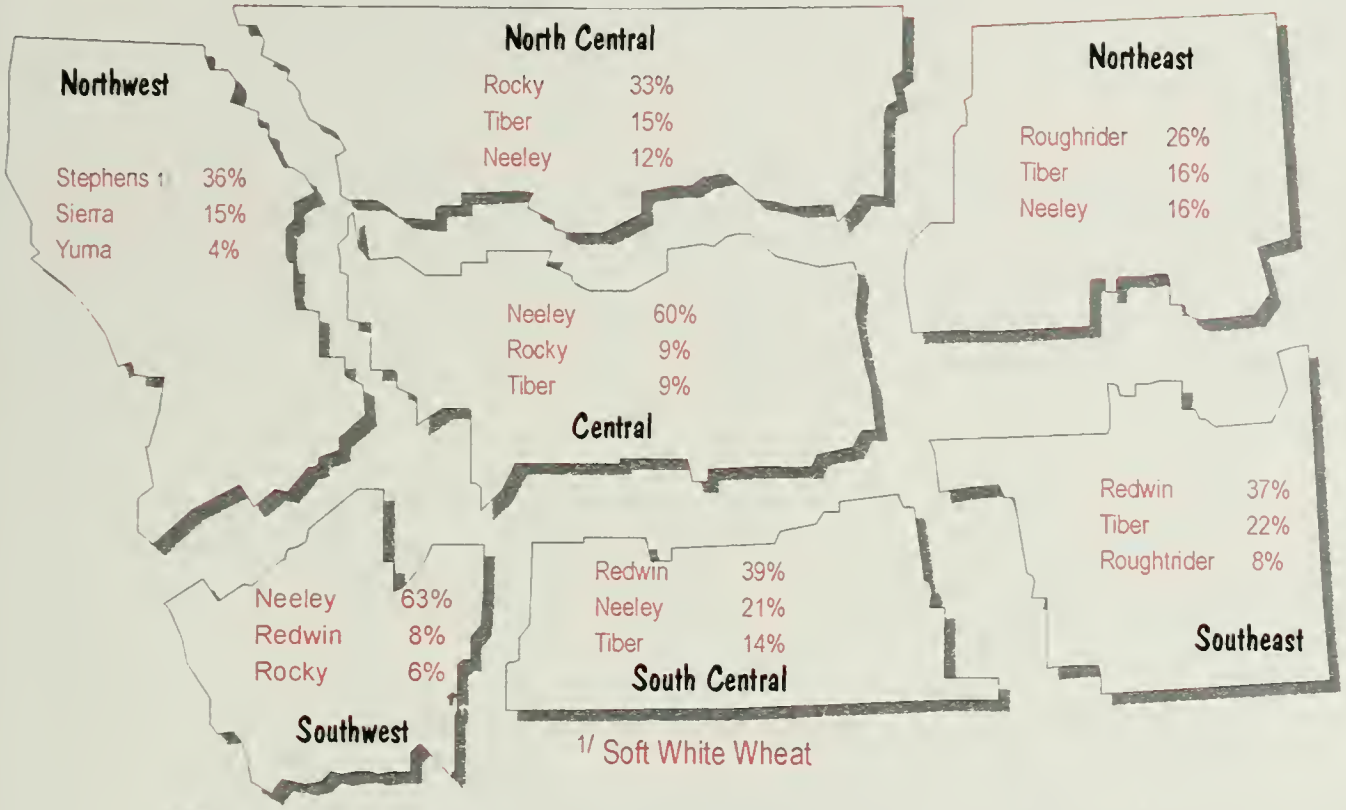
1997 Top Varieties



Winter Wheat

Top Three Varieties

Percent by District



Montana's Rank Among the Larger Winter Wheat Producing States

State	1997 Seeded Acreage (000)	Rank
Kansas	11,400	1
Oklahoma	6,800	2
Texas	6,300	3
Colorado	3,100	4
Washington	2,250	5
Nebraska	2,000	6
South Dakota	1,650	7
MONTANA	**1,600**	**8**
Illinois	1,200	9
Ohio	1,200	10
US Total	48,342	

Spring Wheat

Amidon maintained its number one position for the sixth consecutive year although producers planted 100 thousand fewer acres than in 1996. It accounts for almost 25 percent of the seeded spring wheat in Montana, and over half the Amidon acreage was seeded in the Northeast district. A hard red spring wheat, Amidon's baking qualities are rated as superior with satisfactory milling qualities.

McNeal was the most popular newly discovered variety, increasing its percent planted from 1.3 in 1996 to 16 percent this year. Developed in Montana and released in 1995, McNeal has superior yield and average protein levels. The variety also has good milling and baking qualities.

Westbred Rambo dropped a place to third after seven consecutive years as the second most popular spring wheat in the state. Accounting for almost 10 percent of the statewide seeded spring wheat acreage, more than 85 percent of Westbred Rambo was seeded in the North Central district of the state. It has excellent yield potential, is resistant to stem rust and very resistant to sawfly.

Grandin held steady from 1996, maintaining its fourth place position with 9 percent of the spring wheat acreage. Farmers planted 385 thousand acres of Grandin this year with a majority planted in the Northeast district. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein rating.

The top four varieties accounted for almost 60 percent of the spring wheat acreage seeded in 1997 compared with 49 percent for the same varieties in 1996.

Spring Wheat

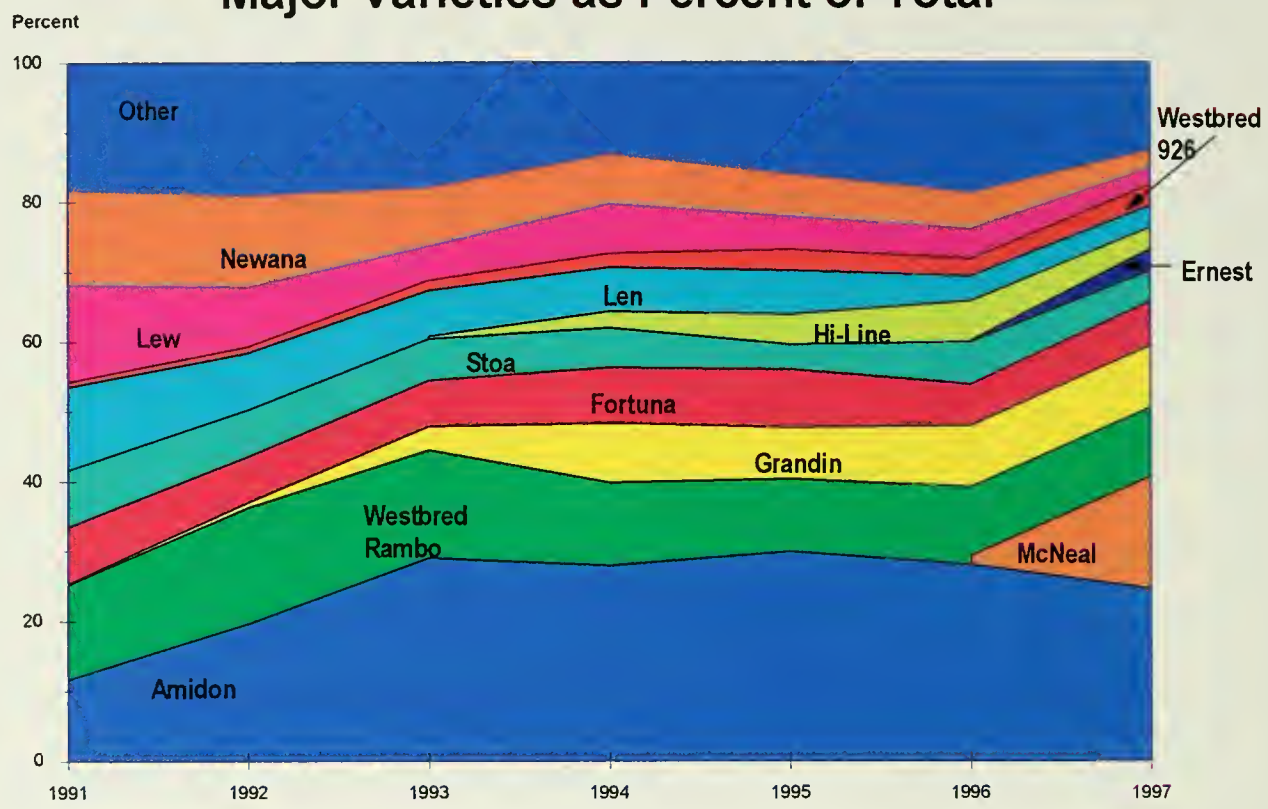
Seeded Acreage and Percent of Total Seeded by Districts - 1997																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon	--	--	338.3	18.2	544.1	31.6	64.9	19.1	7.0	12.0	24.1	19.8	91.4	39.7	1069.8	24.6
McNeal	0 2	0.6	322 9	17.5	309 2	17.9	47 6	14 0	2.7	4 6	11.6	9 5	9 7	4 2	703 9	16 1
Westbred Rambo	--	--	363.4	19.6	49.1	2.9	15.0	4 4	2 1	3 6	--	--	--	--	429 6	9.9
Grandin	--	--	105.6	5.7	225 2	13 1	29 7	8.7	--	--	2.7	2 2	22.3	9 7	385 5	8.9
Fortuna	--	--	234 4	12.7	--	--	17.9	5.3	--	--	18 2	15 0	1.4	0 6	271 9	6.3
Stoa	--	--	48.6	2.6	111 7	6.5	--	--	--	--	--	--	32 9	14 3	193 2	4 4
Ernest	--	--	53.4	2.9	74 8	4.4	2.8	0.8	1.7	3 0	2.8	2.3	0.5	0 2	136 0	3.1
Hi-Line	1 6	5 2	76.9	4 2	31.1	1.8	12.3	3.6	2.9	5.0	--	--	9.4	4 1	134 2	3 1
Len	--	--	1 8	0.1	130.1	7 6	--	--	--	--	--	--	1.4	0 6	133 3	3 1
Westbred 926	6 6	22.0	38 5	2.1	3.7	0.2	40.0	11.7	14.5	25 0	25 7	21.0	1.1	0 5	130 1	3.0
Lew	--	--	70 0	3 8	10.9	0 6	5 3	1.6	--	--	15 1	12.3	6 7	2.9	108 0	2.5
Newana	0.5	1 5	64 0	3.5	1.4	0.1	21 3	6.3	--	--	--	--	16 7	7 3	103 9	2.4
Butte 86	--	--	--	--	44 5	2.6	--	--	--	--	--	--	12 6	5 5	57 1	1.3
Westbred 936	2.6	8.5	27.6	1.5	--	--	3 7	1.1	11.9	20 5	3 0	2.5	--	--	48 8	1 1
Fergus	--	--	16 5	0 9	3 9	0.2	17 4	5.1	--	--	0.5	0 4	--	--	38 3	0 9
Westbred Express	9.1	30 7	--	--	--	--	11.8	3 5	3.8	6.5	3 0	2.5	2 3	1.0	30.0	0 7
Gus	--	--	2 6	0 1	19 3	1.1	7.3	2.1	--	--	--	--	--	--	29 2	0.7
Olaf	--	--	0.1	--	24 3	1 4	--	--	--	--	--	--	0 2	0 1	24 6	0 6
Kulm	--	--	--	--	19 5	1.1	--	--	--	--	--	--	--	--	19.5	0 4
Bounty 309	--	--	--	--	15.2	0.9	1.6	0.5	--	--	--	--	--	--	16 8	0 4
Bergen	--	--	--	--	13.3	0.8	--	--	--	--	--	--	1.5	0.7	14 8	0 3
Border	--	--	10 5	0 6	--	--	1 6	0.5	1.7	2.9	--	--	--	--	13 8	0 3
Glenman	--	--	13.3	0.7	--	--	--	--	--	--	--	--	--	--	13 3	0 3
Sonja	--	--	5.6	0 3	7 0	0 4	--	--	--	--	--	--	--	--	12 6	0 3
Other & Unknown	9 4	31 5	56 0	3 0	81 7	4 8	39 8	11 7	9 7	16 9	15 3	12 5	19 9	8 6	231 8	5 3
State	30 0	100 0	1850 0	100 0	1720 0	100 0	340 0	100 0	58 0	100 0	122 0	100 0	230 0	100 0	4350 0	100 0

Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 1/	1997	1996 1/	1997
Amidon	11.7	19 6	29 0	27 9	29 9	28.0	24 6	1,174.7	1,069 9
McNeal	--	--	--	--	--	1.3	16.1	55.6	703 9
Westbred Rambo	13 5	16 7	15.5	11 9	10.5	9.9	9 9	417.4	429 6
Grandin	0 2	0 7	3.4	8.5	7.3	8 8	8 9	369 0	385.5
Fortuna	8.2	6.6	6.6	8.0	8.3	5.9	6 3	248.5	272.0
Stoa	8 1	6 7	5.9	5 7	3.6	6.1	4.4	257.4	193 2
Ernest	--	--	--	--	--	0 2	3 1	8 7	136.0
Hi-Line	--	--	0 4	2.4	4.3	5.6	3 1	236 6	134 2
Len	11.9	8 1	6 6	6.3	6.3	3 6	3 1	152 9	133 3
Westbred 926	0.7	0.9	1.5	2.0	3 0	2.5	3 0	105.5	130.1
Lew	14 1	8.7	5 0	7 2	4 9	4 4	2.5	185.2	107 9
Newana	13.3	12.9	8 2	6 9	5 8	5.0	2.4	211 2	103.8
Butte 86	2.0	0.5	0.4	0.1	0.9	0.7	1 3	31.0	57 1
Westbred 936	--	--	--	0.2	0.3	1 4	1 1	57 8	48 7
Fergus	--	--	--	--	0.2	0.6	0.9	23 3	38 4
Westbred Express	--	--	--	0 3	0 4	0 3	0 7	13 5	30 2
Gus	0 1	0.1	--	0 1	0.6	1.3	0 7	56 4	29 1
Olaf	3 6	2.7	2.8	2.2	1.1	0.5	0.6	19 0	24 5
Kulm	--	--	--	--	--	0 5	0 4	20 3	19 5
Bounty 309	--	--	--	0.2	0.5	0 2	0 4	8 7	16.8
Bergen	--	--	--	--	--	0 6	0.3	24 7	14 8
Border	--	--	--	--	0.2	0.8	0.3	35.5	13 7
Glenman	--	1.4	1.3	0.9	0.7	0 3	0.3	11 8	13.3
Sonja	--	--	--	--	--	0.1	0.3	3.8	12.5
Other & Unknown	12.6	14 4	13.4	9.2	11 2	11.4	5 3	471 5	232.0
State	100 0	100 0	100 0	100.0	100.0	100.0	100.0	4,200.0	4,350 0

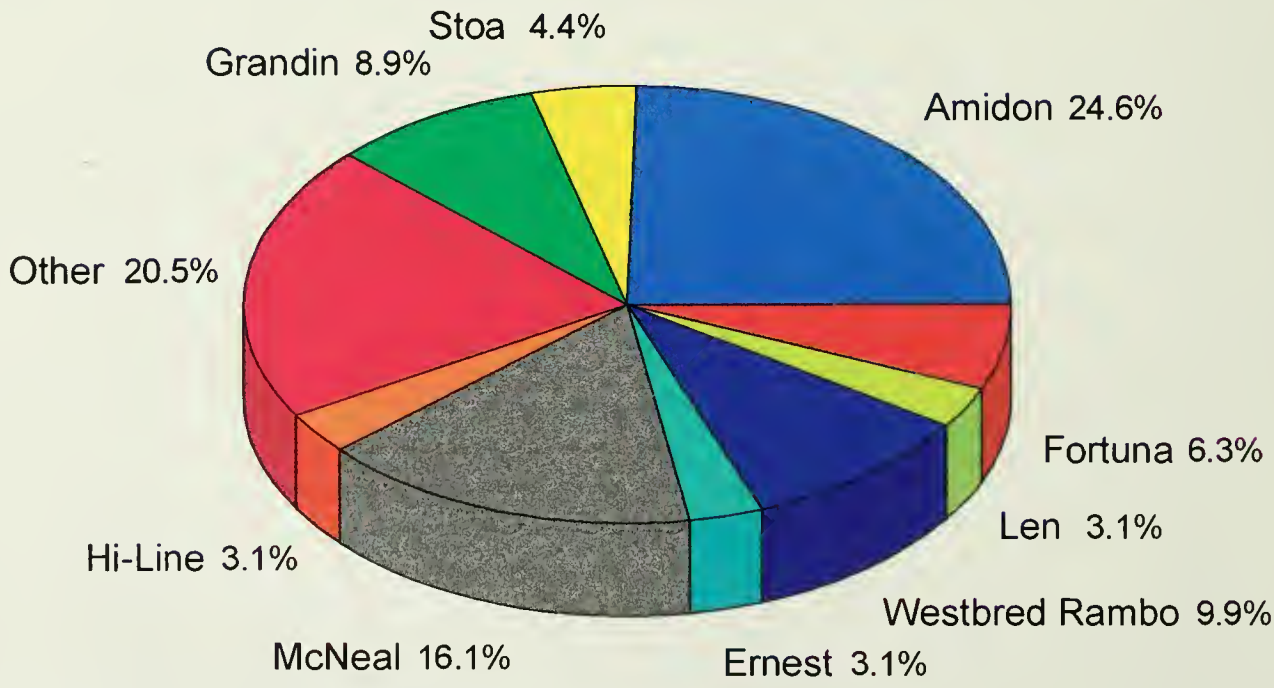
1/ Revised

Spring Wheat

Major Varieties as Percent of Total



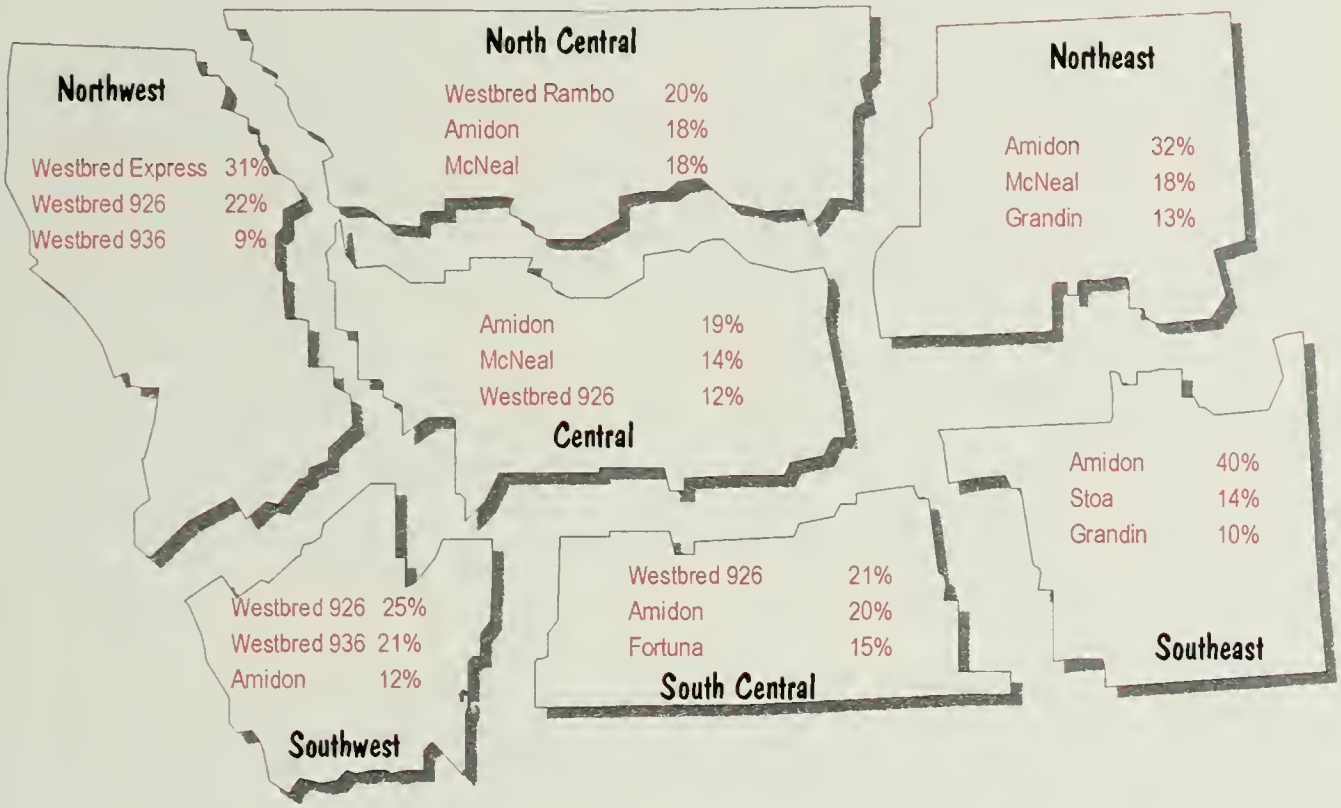
1997 Top Varieties



Spring Wheat

Top Three Varieties

Percent by District



Montana's Rank Among the Larger Spring Wheat Producing States

State	1997 Seeded Acreage (000)	Rank
North Dakota	8,600	1
MONTANA	**4,350**	**2**
South Dakota	2,500	3
Minnesota	2,400	4
Idaho	590	5
US Total	19,155	

Durum Wheat

Kyle maintained its position as the top durum variety for the fourth year, doubling its seeded acreage from last year. Montana farmers planted over 120 thousand acres of Kyle which accounted for almost 40 percent of the durum wheat statewide. Developed in Canada and released in 1984, it is resistant to prevalent races of leaf and stem rust. It has an overall quality rating of good.

Monroe remained in the second place position this year, although acres seeded dropped by over 12 thousand acres. Monroe accounting for 14 percent of the durum acreage, down from 20 percent in 1996. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. It also has high yields and matures early which makes it a well-suited wheat variety for growing in durum areas.

Medora increased its percent planted from 2 percent in 1996 to over 8 percent this year, making it the third most popular durum wheat. Wheat producers in the Northeast district seeded over 27 thousand acres of Medora. Released in 1983 in Canada, it is resistant to leaf and stem rust and has a mid-early maturity.

Renville retained its fourth place finish for the third year, accounting for about 8 percent of the durum acreage. It has shown good resistance to stem and leaf rust and in trials has high test weights and good yields. Renville has good milling characteristics and the spaghetti color and cooking characteristics are acceptable.

These top four varieties accounted for 69 percent of the durum wheat acreage compared to 52 percent in 1996.

Durum Wheat

Seeded Acreage and Percent of Total Seeded by Districts - 1997						
Variety	Northeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%
Kyle	109.2	40.7	13.6	26.2	122.8	38.4
Monroe	44.9	16.7	--	--	44.9	14.0
Medora	27.5	10.3	--	--	27.5	8.6
Renville	26.0	9.7	0.6	1.1	26.6	8.3
Vic	23.5	8.8	--	--	23.5	7.4
Sceptre	--	--	17.3	33.3	17.3	5.4
Crosby	16.1	6.0	--	--	16.1	5.0
Westbred Laker	2.3	0.9	6.6	12.6	8.9	2.8
Ward	5.9	2.2	--	--	5.9	1.9
Durex	--	--	3.3	6.4	3.3	1.0
Voss	2.2	0.8	1.1	2.1	3.3	1.0
Plenty	--	--	2.8	5.3	2.8	0.9
Kemut	1.8	0.7	0.2	0.4	2.0	0.6
Westbred 881	--	--	0.3	0.6	0.3	0.1
Other & Unknown	8.6	3.2	6.2	12.0	14.8	4.6
State	268.0	100.0	52.0	100.0	320.0	100.0

Percent of Total Seeded Acreage 1991-1997 & Seeded Acreage 1996-97									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 1/	1997	1996 1/	1997
Kyle	--	2.4	7.0	23.6	23.4	20.4	38.4	57.2	122.8
Monroe	14.2	10.3	24.2	22.5	11.1	20.5	14.0	57.4	44.9
Medora	14.0	20.8	18.0	3.4	6.0	2.4	8.6	6.7	27.5
Renville	6.0	5.9	2.8	7.4	10.0	9.0	8.3	25.2	26.6
Vic	15.5	26.6	7.7	9.3	17.7	13.9	7.4	38.9	23.5
Sceptre	0.1	--	--	--	3.8	3.1	5.4	8.8	17.3
Crosby	4.3	4.8	2.8	6.4	3.5	7.8	5.0	21.9	16.1
Westbred Laker	12.6	8.9	23.5	14.5	3.8	3.1	2.8	8.6	8.9
Ward	14.1	5.8	1.3	4.6	4.7	5.4	1.9	15.2	5.9
Durex	--	--	--	--	--	0.8	1.0	2.1	3.3
Voss	--	--	--	--	--	--	1.0	--	3.3
Plenty	--	--	--	1.7	3.7	7.1	0.9	19.9	2.8
Kemut	--	--	--	1.1	0.3	0.5	0.6	1.4	2.0
Westbred 881	--	--	--	--	--	0.2	0.1	0.5	0.3
Other & Unknown	19.2	14.5	12.7	5.5	12.0	5.8	4.6	16.2	14.8
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	280.0	320.0

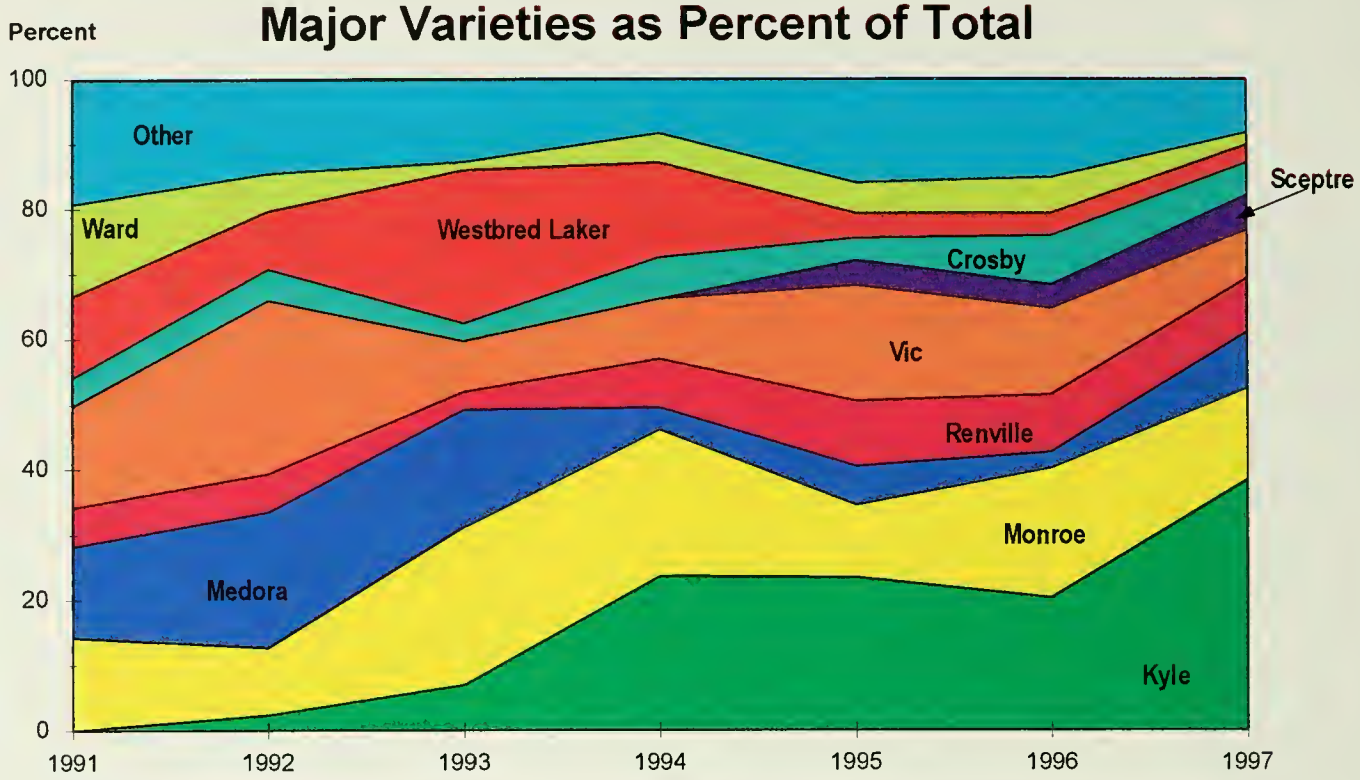
1/ Revised

Montana's Rank Among the Larger Durum Wheat Producing States

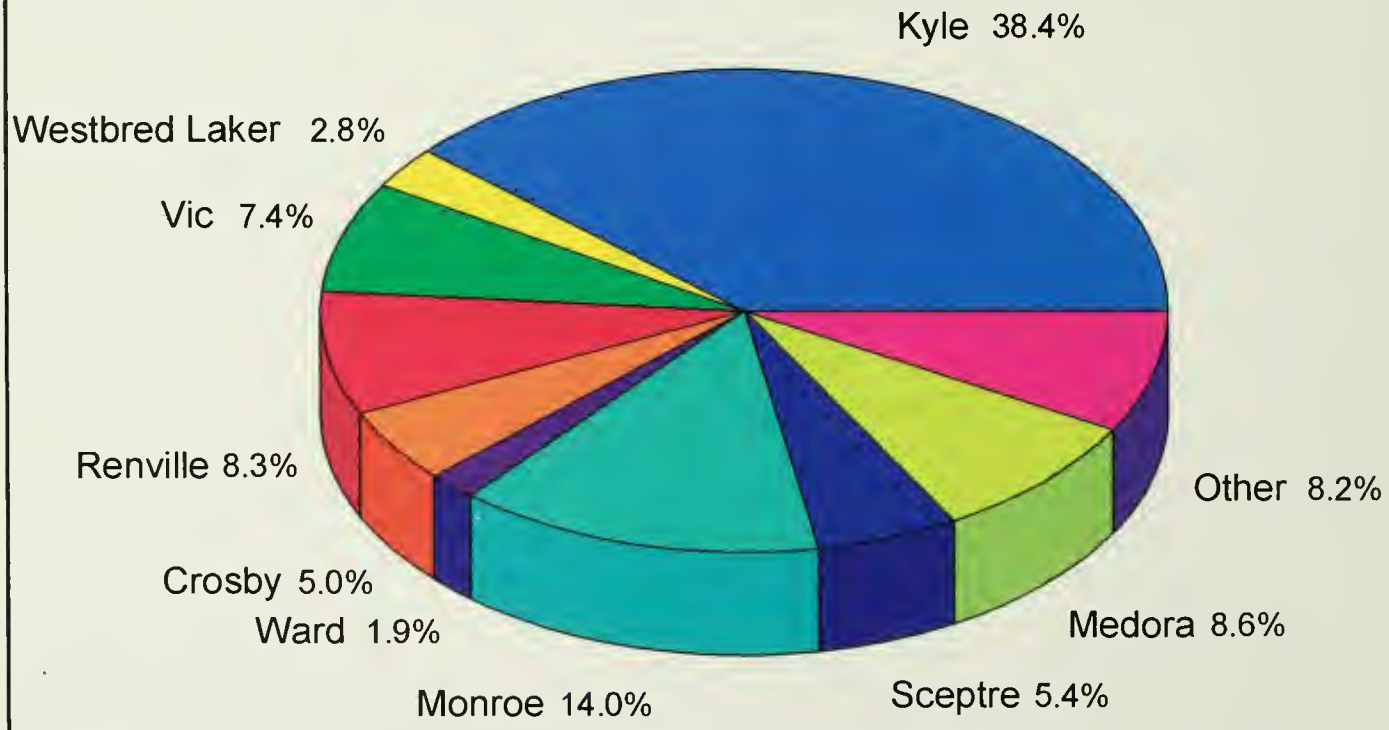
State	1997 Seeded Acreage (000)	Rank
North Dakota	2,700	1
MONTANA	320	2
California	130	3
Arizona	90	4
South Dakota	25	5
US Total	3,270	

Durum Wheat

Major Varieties as Percent of Total



1997 Top Varieties



Barley

Montana farmers planted 1.3 million acres of barley in 1997, unchanged from the last four years. Malting and brewing varieties recommended by the American Malting Barley Association accounted for almost 44 percent of the barley planted. For the fourth consecutive year, Harrington maintained its top position as the leading barley variety seeded in Montana.

Malting-Type Barley Varieties

Harrington was the top barley variety planted. It accounted for one third of all varieties planted and over three quarters of the varieties recommended by the American Malting Barley Association. It is a two-row variety with good straw strength, test weight, and malting qualities. The North Central district continues to be the largest grower of Harrington where over 75 percent of the Harrington acreage is seeded.

B1202 retained its second place position for the third year, increasing total acreage planted by about 2 thousand acres. It accounted for 5 percent of the total barley acreage seeded and about 12 percent of the varieties recommended by the American Malting Barley Association. It is a two-rowed barley that has good straw strength and average lodging resistance.

B2601 increased to third place this year accounting for just under 2 percent of the barley acreage and 4 percent of the varieties recommended by the American Malting Barley Association. It is a 6-row barley with excellent lodging resistance and good test weight when irrigated.

Morex ranked fourth among malting-type barley in the state, increasing its acreage by almost 5 thousand acres over 1996. Barley growers planted over 16 thousand acres of Morex, which accounted for almost 3 percent of the varieties recommended by the American Malting Barley Association. A 6-row barley, Morex is adapted to high rainfall areas and is resistant to stem rust.

Feed-type Varieties

Baronesse stayed in the top position among feed-type barleys from last year. It accounted for over 15 percent of the barley seeded and over one fourth of the feed-type barley. It is a two-row barley with good straw strength and excellent yields. Developed in Germany, it is medium short in height and medium in maturity.

Hector remained in second place among feed-type barleys from a year ago. It accounts for about 9 percent of the barley planted and about 16 percent of the feed-type barley. It is moderately resistant to stem rust. The Montana Agricultural Experiment Station has recommended Hector as a good two-rowed dryland barley.

Gallatin moved up one position into third place for feed-type varieties from a year ago. It accounts for about 6 percent of the barley planted and about 10 percent of the feed-type barley. Gallatin is a two-rowed barley that is best adapted to dryland areas and yields well under intermediate to high rainfall.

Bowman dropped one position into fourth place for feed-type varieties. It accounts for 5 percent of the barley planted and just under 9 percent of feed-type barley. It is a two-rowed barley which matures very early and has very good yield. Bowman was released in North Dakota and is moderately resistant to leaf diseases.

Barley

Seeded Acreage and Percent of Total by Districts-1997

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington 2/	–	0.0	327.8	48.6	1.6	1.1	86.7	34.4	12.4	19.1	3.7	4.3	0.3	0.6	432.5	33.3
Baronesse	8.6	30.6	100.0	14.8	2.2	1.5	55.7	22.2	20.7	31.9	4.0	4.7	6.2	13.8	197.4	15.2
Hector	–	–	38.7	5.8	46.9	31.3	21.9	8.7	–	–	6.3	7.4	3.1	6.8	116.9	9.0
Gallatin	4.2	15.0	33.8	5.0	–	–	17.6	7.0	5.9	9.1	8.4	9.8	4.1	9.2	74.0	5.7
B 1202 2/	–	–	50.6	7.5	–	–	5.1	2.0	–	–	11.9	14.0	–	–	67.6	5.2
Bowman	–	–	2.2	0.3	30.3	20.2	–	–	–	–	17.8	21.0	14.5	32.3	64.8	5.0
Piroline	–	–	18.7	2.8	8.5	5.7	11.3	4.5	0.7	1.1	5.0	5.9	–	–	44.2	3.4
Haybet	3.9	13.9	2.1	0.3	8.8	5.8	5.0	2.0	3.3	5.1	0.4	0.5	3.2	7.0	26.7	2.0
Horsford	–	–	0.4	0.1	12.3	8.2	4.0	1.6	3.8	5.8	0.9	1.0	1.8	4.0	23.2	1.8
B 2601 2/	–	–	14.3	2.1	–	–	8.1	3.2	–	–	–	–	–	–	22.4	1.7
Westford	4.2	15.1	0.5	0.1	2.3	1.6	9.9	3.9	1.1	1.7	2.0	2.3	–	–	20.0	1.5
Lewis	–	–	8.6	1.3	9.3	6.2	1.9	0.8	–	–	0.1	0.1	–	–	19.9	1.5
Galena	–	–	7.6	1.1	–	–	2.1	0.8	–	–	8.7	10.3	–	–	18.4	1.4
Morex 2/	–	–	5.7	0.8	1.1	0.7	0.1	–	8.7	13.4	0.4	0.5	0.5	1.1	16.5	1.3
Clark	–	–	4.7	0.7	1.3	0.8	2.7	1.1	1.9	2.9	3.9	4.6	–	–	14.5	1.1
Stark	–	–	–	–	9.3	6.2	–	–	–	–	–	–	2.2	4.9	11.5	0.9
Moravian III 2/	–	–	10.0	1.5	–	–	–	–	–	–	1.3	1.6	–	–	11.3	0.9
Chinook 2/	0.1	0.3	6.3	0.9	–	–	3.6	1.4	0.1	0.1	–	–	–	–	10.1	0.8
Menuet	6.2	22.2	–	–	–	–	–	–	–	–	1.5	1.8	–	–	7.7	0.6
Unitan	–	–	–	–	–	–	1.3	0.5	–	–	–	–	5.6	12.5	6.9	0.5
Waxbar	–	–	2.7	0.4	–	–	2.6	1.0	–	–	–	–	–	–	5.3	0.4
Excel 2/	–	–	–	–	4.7	3.1	–	–	–	–	–	–	–	–	4.7	0.4
Klages 2/	–	–	0.3	–	–	–	1.1	0.4	2.4	3.6	–	–	–	–	3.8	0.3
Kimberly	–	–	3.0	0.4	–	–	–	–	–	–	0.4	0.4	–	–	3.4	0.3
Other & Unknown	0.8	2.9	37.0	5.5	11.4	7.6	11.3	4.5	4.0	6.2	8.3	9.8	3.5	7.8	76.3	5.8
State	28.0	100.0	675.0	100.0	150.0	100.0	252.0	100.0	65.0	100.0	85.0	100.0	45.0	100.0	1300.0	100.0

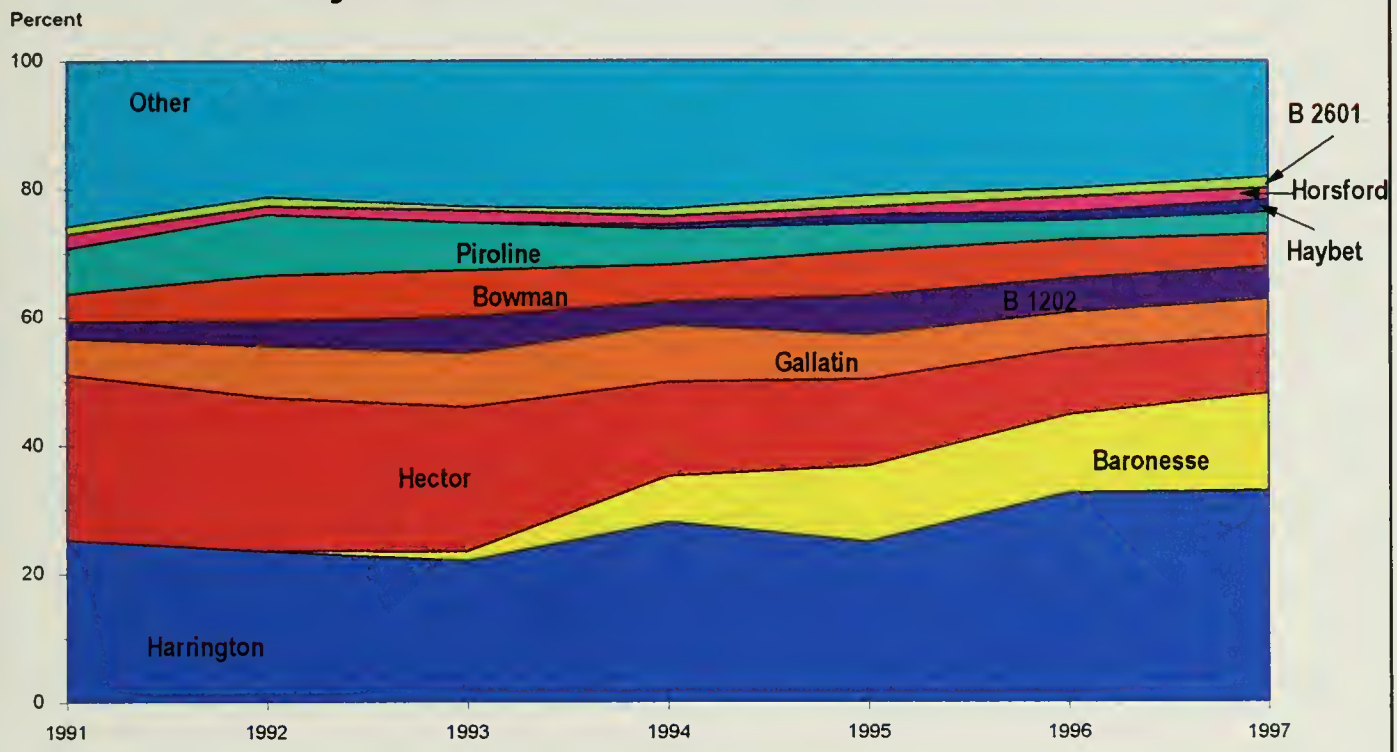
Percent of Total Seeded Acreage 1991-1997 & Seeded Acreage 1996-97

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1991	1992	1993	1994	1995	1996 1/	1997	1996 1/	1997
Harrington 2/	25.3	23.5	22.0	28.0	24.9	32.6	33.3	423.9	432.5
Baronesse	–	0.1	1.5	7.2	11.9	12.2	15.2	159.2	197.4
Hector	25.8	23.9	22.5	14.7	13.5	10.2	9.0	132.3	116.9
Gallatin	5.6	8.0	8.4	8.8	6.9	5.7	5.7	74.7	74.0
B 1202 2/	2.7	3.9	5.7	3.7	6.1	5.4	5.2	69.8	67.6
Bowman	4.3	7.1	7.3	5.8	6.9	6.0	5.0	78.2	64.8
Piroline	7.0	9.5	7.4	5.6	4.3	3.0	3.4	39.5	44.2
Haybet	0.1	–	–	0.7	1.5	1.4	2.0	18.6	26.7
Horsford	2.2	1.4	1.9	1.3	1.2	2.3	1.8	29.3	23.2
B 2601 2/	1.3	1.4	0.6	1.1	1.8	1.3	1.7	16.9	22.4
Westford	–	–	–	0.1	0.5	0.5	1.5	6.8	20.0
Lewis	3.0	2.2	5.1	5.2	2.5	2.4	1.5	31.8	19.9
Galena	–	–	–	0.8	0.9	1.2	1.4	15.9	18.4
Morex 2/	4.6	3.0	2.4	2.0	0.5	0.7	1.3	9.6	16.5
Clark	4.1	2.5	2.1	1.2	1.5	1.6	1.1	20.8	14.5
Stark	–	–	–	0.7	0.5	0.7	0.9	9.7	11.5
Moravian III 2/	1.7	1.8	1.9	0.8	1.0	1.8	0.9	23.4	11.3
Chinook 2/	–	–	–	–	–	0.5	0.8	6.7	10.1
Menuet	1.7	1.4	0.8	1.5	0.9	1.1	0.6	14.9	7.7
Unitan	0.8	0.2	0.5	0.3	0.2	–	0.5	–	6.9
Waxbar	0.2	–	–	–	0.3	0.3	0.4	4.3	5.3
Excel 2/	–	0.1	0.2	0.4	1.3	–	0.4	–	4.7
Klages 2/	3.3	0.3	0.6	–	0.1	0.8	0.3	10.3	3.8
Kimberly	1.1	0.3	0.1	0.2	0.2	0.3	0.3	3.3	3.4
Other & Unknown	5.2	9.4	9.0	9.9	10.6	8.0	5.8	100.1	76.3
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,300.0	1,300.0

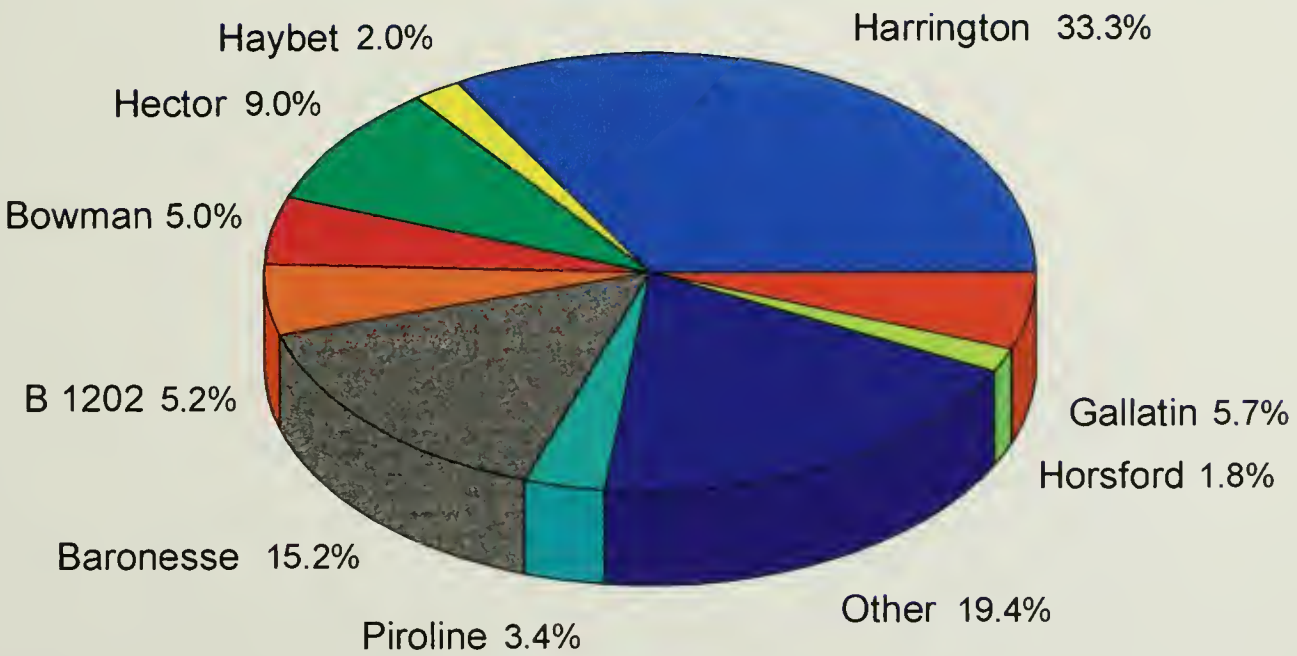
1/ Revised. 2/ American Malting Barley Association, Inc. recommended for malting and brewing for Montana.

Barley

Major Varieties as Percent of Total



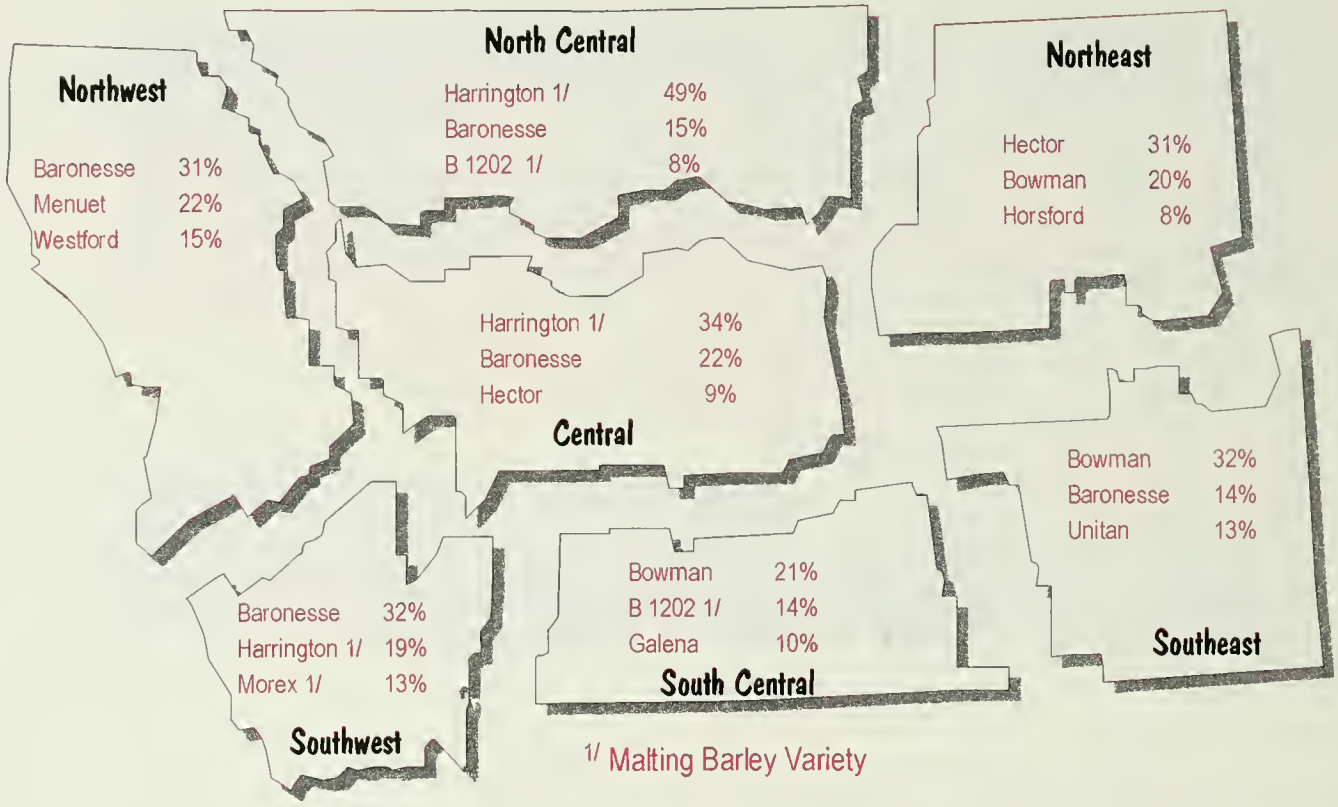
1997 Top Varieties



Barley

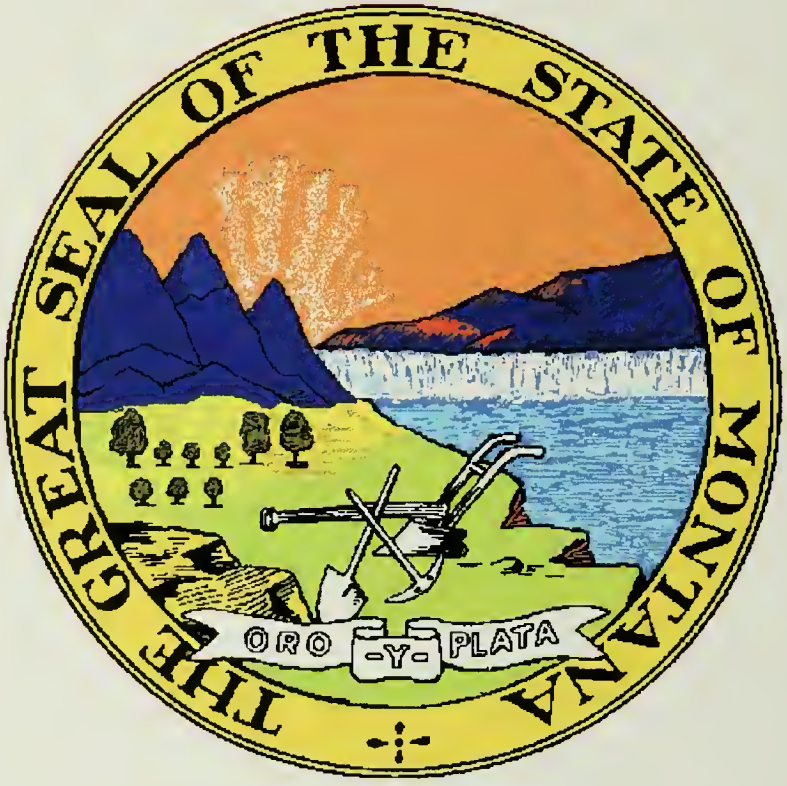
Top Three Varieties

Percent by District



Montana's Rank Among the Larger Barley Producing States

State	1997 Seeded Acreage (000)	Rank
North Dakota	2,250	1
MONTANA	**1,300**	**2**
Idaho	780	3
Minnesota	600	4
Washington	500	5
US Total	6,769	


THE GREAT SEAL OF THE STATE OF MONTANA
ORO -Y- PLATA